

(FILE 'HOME' ENTERED AT 15:59:11 ON 10 FEB 2004)

FILE 'BIOSIS' ENTERED AT 15:59:30 ON 10 FEB 2004

L1 34575 S (INSULIN LIKE GROWTH FACTOR) OR IGF OR (INSULIN  
GROWTH FACTOR  
L2 42660 S TRANSFORMING GROWTH FACTOR OR TGF  
L3 75721 S SPERM OR SEMEN OR SPEMATOZOA OR SEMINAL  
L4 3 S L1 AND L2 AND L3  
L5 160025 S OOCYTE OR EMBRYO  
L6 102 S L1 AND L2 AND L5  
L7 31541 S OOCYTE  
L8 24 S L7 AND L1 AND L2  
L9 21798 S TRANSFERRIN OR TRANSFERIN  
L10 139 S L9 AND L3  
L11 4580 S SEMINAL PLASMA  
L12 51 S L11 AND L9  
L13 870539 S CONCENTRATION OR AMOUNT  
L14 23 S L13 AND L12  
L15 32628 S INOSITOL  
L16 21 S L15 AND L11  
L17 26562 S FRUCTOSE  
L18 5 S L17 AND L16

(FILE 'HOME' ENTERED AT 17:03:20 ON 10 FEB 2004)

FILE 'BIOSIS' ENTERED AT 17:03:32 ON 10 FEB 2004

L1	23639 S INSULIN GROWTH FACTOR OR IGF
L2	4580 S SEMINAL PLASMA
L3	47 S L2 AND L1
L4	870539 S AMOUNT OR CONCENTRATION
L5	10 S L4 AND L3

L Number	Hits	Search Text	DB	Time stamp
1	390	ni-jian.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/10 10:19
2	66	gentz-reiner.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/10 10:19
3	192	yu-guo-liang.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/10 10:19
4	86	dillon-patrick-j.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/10 10:20
5	1769	chemotactic same cytokine	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/10 10:20
6	209	chemotactic same cytokine same human same polypeptide	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/10 10:21

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NEWS	4	DEC 08	INPADOC: Legal Status data reloaded
NEWS	5	SEP 29	DISSABS now available on STN
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NEWS	7	OCT 21	BIOSIS file reloaded and enhanced
NEWS	8	OCT 28	BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS	9	NOV 24	MSDS-CCOHS file reloaded
NEWS	10	DEC 08	CABA reloaded with left truncation
NEWS	11	DEC 08	IMS file names changed
NEWS	12	DEC 09	Experimental property data collected by CAS now available in REGISTRY
NEWS	13	DEC 09	STN Entry Date available for display in REGISTRY and CA/CAPLUS
NEWS	14	DEC 17	DGENE: Two new display fields added
NEWS	15	DEC 18	BIOTECHNO no longer updated
NEWS	16	DEC 19	CROPU no longer updated; subscriber discount no longer available
NEWS	17	DEC 22	Additional INPI reactions and pre-1907 documents added to CAS databases
NEWS	18	DEC 22	IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields
NEWS	19	DEC 22	ABI-INFORM now available on STN
NEWS	20	JAN 27	Source of Registration (SR) information in REGISTRY updated and searchable
NEWS	21	JAN 27	A new search aid, the Company Name Thesaurus, available in CA/CAPLUS
NEWS	22	FEB 05	German (DE) application and patent publication number format changes
NEWS EXPRESS			DECEMBER 28 CURRENT WINDOWS VERSION IS V7.00, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003
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=> s ni jian /au  
L1 557 NI JIAN

=> s gentz reiner /au  
L2 192 GENTZ REINER

=> s yu guo-liang  
L3 0 YU GUO-LIANG

=> s yu guo-liang /au  
L4 204 YU GUO-LIANG

=> s dillon patrick j /au  
L5 93 DILLON PATRICK J

=> s chemotactic (s) cytokine (s) polypeptide (s) human  
L6 29 CHEMOTACTIC (S) CYTOKINE (S) POLYPEPTIDE (S) HUMAN

=> dup rem l6  
PROCESSING COMPLETED FOR L6  
L7 25 DUP REM L6 (4 DUPLICATES REMOVED)

=> s (chemotactic (a) cytokine) (s) polypeptide (s) human  
L8 12 (CHEMOTACTIC (A) CYTOKINE) (S) POLYPEPTIDE (S) HUMAN

=> dup rem l8  
PROCESSING COMPLETED FOR L8  
L9 8 DUP REM L8 (4 DUPLICATES REMOVED)

=> d l9 total ibib kwic

L9 ANSWER 1 OF 8 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
DUPLICATE 1  
ACCESSION NUMBER: 2002:423727 BIOSIS  
DOCUMENT NUMBER: PREV200200423727  
TITLE: Polynucleotides encoding chemokine alpha-3.  
AUTHOR(S): Ni, Jian [Inventor]; Li, Haodong [Inventor]; Su, Jeffrey  
[Inventor, Reprint author]  
CORPORATE SOURCE: Gaithersburg, MD, USA  
ASSIGNEE: Human Genome Sciences, Inc.  
PATENT INFORMATION: US 6410268 June 25, 2002  
SOURCE: Official Gazette of the United States Patent and Trademark

Office Patents, (June 25, 2002) Vol. 1259, No. 4.  
<http://www.uspto.gov/web/menu/patdata.html>. e-file.  
CODEN: OGUPE7. ISSN: 0098-1133.

DOCUMENT TYPE: Patent  
LANGUAGE: English  
ENTRY DATE: Entered STN: 7 Aug 2002  
Last Updated on STN: 7 Aug 2002

AB **Human** chemokine Alpha-3 **polypeptides** and DNA (RNA) encoding such **chemotactic cytokines** and a procedure for producing such **polypeptides** by recombinant techniques is disclosed. Also disclosed are methods for utilizing such chemotactic cytokines for the treatment of leukemia, tumors, . . .

L9 ANSWER 2 OF 8 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
ACCESSION NUMBER: 2003:53358 BIOSIS  
DOCUMENT NUMBER: PREV200300053358  
TITLE: Chemokine alpha 2.  
AUTHOR(S): Ni, Jian [Inventor, Reprint Author]; Gentz, Reiner L. [Inventor]; Su, Jeffrey Y. [Inventor]; Li, Haodong [Inventor]  
CORPORATE SOURCE: Gaithersburg, MD, USA  
ASSIGNEE: Human Genome Sciences, Inc.  
PATENT INFORMATION: US 6479633 November 12, 2002  
SOURCE: Official Gazette of the United States Patent and Trademark Office Patents, (Nov 12 2002) Vol. 1264, No. 2.  
<http://www.uspto.gov/web/menu/patdata.html>. e-file.  
ISSN: 0098-1133 (ISSN print).

DOCUMENT TYPE: Patent  
LANGUAGE: English  
ENTRY DATE: Entered STN: 22 Jan 2003  
Last Updated on STN: 22 Jan 2003

AB **Human** chemokine Alpha-2 **polypeptides** and DNA (RNA) encoding such **chemotactic cytokines** and a procedure for producing such **polypeptides** by recombinant techniques is disclosed. Also disclosed are methods for utilizing such chemotactic cytokines for the treatment of leukemia, tumors, . . .

L9 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 1997:640786 CAPLUS  
DOCUMENT NUMBER: 127:277253  
TITLE: Chemokine alpha 3  
INVENTOR(S): Ni, Jian; Li, Haodong; Su, Jeffrey Y.  
PATENT ASSIGNEE(S): Human Genome Sciences, Inc., USA; Ni, Jian; Li, Haodong; Su, Jeffrey Y.  
SOURCE: PCT Int. Appl., 68 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9735027	A1	19970925	WO 1996-US3686	19960318
W: AM, AU, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, JP, KG, KP, KR, KZ, LT, LV, MD, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, UA, US, UZ, VN				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2249995	AA	19970925	CA 1996-2249995	19960318
AU 9654254	A1	19971010	AU 1996-54254	19960318
EP 904398	A1	19990331	EP 1996-911336	19960318
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2000506366	T2	20000530	JP 1997-515324	19960318

PRIORITY APPLN. INFO.:

WO 1996-US3686 A 19960318

AB **Human chemokine  $\alpha 3$  polypeptides** and DNA (RNA) encoding such **chemotactic cytokines** and a procedure for producing such **polypeptides** by recombinant techniques is disclosed. Also disclosed are methods for utilizing such chemotactic cytokines for the treatment of leukemia, tumors, chronic infections, auto-immune disease, fibrotic disorders, sepsis, wound healing and psoriasis and to stimulate stem cell mobilization. Antagonists against such chemotactic cytokines and their use as a therapeutic to treat rheumatoid arthritis, auto-immune and chronic and acute inflammatory and infective diseases, allergic reactions, prostaglandin-independent fever, ARDS, and bone marrow failure are also disclosed. Also disclosed are diagnostic assays for detecting diseases related to mutations in the nucleic acid sequences and altered concns. of the polypeptides. Also disclosed are diagnostic assays for detecting mutations in the polynucleotides encoding the chemotactic cytokines and for detecting altered levels of the polypeptide in a host.

L9 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1997:618207 CAPLUS

DOCUMENT NUMBER: 127:261786

TITLE: Chemotactic cytokine III

INVENTOR(S): Ni, Jian; Yu, Guo-Liang; Gentz, Reiner L.

PATENT ASSIGNEE(S): Human Genome Sciences, Inc., USA; Ni, Jian; Yu, Guo-Liang; Gentz, Reiner L.

SOURCE: PCT Int. Appl., 73 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9732993	A1	19970912	WO 1996-US2985	19960305
W:		AM, AT, AU, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, JP, KG, KP, KR, KZ, LT, LV, MD, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, UA, UG, US, UZ, VN		
RW:		AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE		
AU 9655234	A1	19970922	AU 1996-55234	19960305
PRIORITY APPLN. INFO.:			WO 1996-US2985	19960305

AB **Human chemotactic cytokine III polypeptides** and DNA (RNA) encoding such **chemotactic cytokines** and a procedure for producing such **polypeptides** by recombinant techniques is disclosed. Also disclosed are methods for utilizing such chemotactic cytokines for the treatment of leukemia, tumors, chronic infections, auto-immune disease, fibrotic disorders, wound healing and psoriasis. Antagonists against such chemotactic cytokines and their use as a therapeutic to treat rheumatoid arthritis, auto-immune and chronic and acute inflammatory and infective diseases, allergic reactions, prostaglandin-independent fever, cerebral ischemia, glomerulonephritis, HTLV-1 related diseases and bone marrow failure are also disclosed. Also disclosed are diagnostic assays for detecting diseases related to mutations in the nucleic acid sequences and altered concns. of the polypeptides. Also disclosed are diagnostic assays for detecting mutations in the polynucleotides encoding chemotactic cytokine III and for detecting altered levels of the polypeptide in a host.

L9 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1997:506502 CAPLUS

DOCUMENT NUMBER: 127:108056

TITLE: Human chemotactic cytokine I

INVENTOR(S): Ni, Jian; Yu, Guo-Liang; Alfonso, Pedro; Gentz, Reiner; Su, Jeffrey Y.

PATENT ASSIGNEE(S): Human Genome Sciences, Inc., USA  
 SOURCE: PCT Int. Appl., 64 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9723640	A1	19970703	WO 1995-US16871	19951226
W: AU, CA, CN, JP, KR, MX, NZ				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9654143	A1	19970717	AU 1996-54143	19951226
PRIORITY APPLN. INFO.:			WO 1995-US16871	19951226

AB **Human chemotactic cytokine I**  
**polypeptides** and DNA (RNA) encoding such **chemotactic cytokines** and a procedure for producing such **polypeptides** by recombinant techniques is disclosed. Also disclosed are methods for utilizing such chemotactic cytokines for the treatment of leukemia, tumors, chronic infections, auto-immune disease, fibrotic disorders, wound healing and psoriasis. Antagonists against such chemotactic cytokines and their use as a therapeutic to treat rheumatoid arthritis, auto-immune and chronic and acute inflammatory and infective diseases, allergic reactions, prostaglandin-independent fever and bone marrow failure are also disclosed. Also disclosed are diagnostic assays for detecting diseases related to mutations in the nucleic acid sequences and altered concns. of the polypeptides. Also disclosed are diagnostic assays for detecting mutations in the polynucleotides encoding the chemotactic cytokines and for detecting altered levels of the polypeptide in a host.

L9 ANSWER 6 OF 8 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.  
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ACCESSION NUMBER: 94002927 EMBASE  
 DOCUMENT NUMBER: 1994002927  
 TITLE: Production of IL-8 and monocyte chemotactic peptide-1 by peripheral blood monocytes: Disparate responses to phytohemagglutinin and lipopolysaccharide.  
 AUTHOR: Liebler J.M.; Kunkel S.L.; Burdick M.D.; Standiford T.J.; Rolfe M.W.; Strieter R.M.  
 CORPORATE SOURCE: Pulmonary/Critical Care Med. Div., Oregon Health Sciences University, 3181 S. W. Sam Jackson Park Road, Portland, OR 97201-3098, United States  
 SOURCE: Journal of Immunology, (1994) 152/1 (241-249).  
 ISSN: 0022-1767 CODEN: JOIMA3  
 COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article  
 FILE SEGMENT: 005 General Pathology and Pathological Anatomy  
 026 Immunology, Serology and Transplantation  
 LANGUAGE: English  
 SUMMARY LANGUAGE: English

AB . . . a site of inflammation is dependent on a complex interplay of a number of soluble mediators. Recently, two families of **chemotactic cytokines** have been discovered. The -C-X-C- family, which includes IL-8, appears to recruit neutrophils and lymphocytes. In contrast, the -C-C- family, . . . of inflammation, could further amplify the immune response by secreting IL-8 and MCP-1. We sought to define conditions under which **human** peripheral blood monocytes produce IL-8 and MCP-1. Using serum-free media, we found that PHA-stimulated monocytes expressed MCP-1 and IL-8 protein. . . pathways of activation exist for the production of monocyte-derived IL-8 and MCP-1. The differential expression of these different but related **polypeptides** may offer a means of control of the type of immune cells that are recruited to a site of inflammation.



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ACCESSION NUMBER: 94073694 EMBASE  
DOCUMENT NUMBER: 1994073694  
TITLE: Tubular-derived growth factors and cytokines in the  
pathogenesis of tubulointerstitial fibrosis: Implications  
for human renal disease progression.  
AUTHOR: Ong A.C.M.; Fine L.G.  
CORPORATE SOURCE: Department of Medicine, Rayne Institute, Univ. College  
London Medical School, 5 University St, London WC1E 6JJ,  
United Kingdom  
SOURCE: American Journal of Kidney Diseases, (1994) 23/2 (205-209).  
ISSN: 0272-6386 CODEN: AJKDDP  
COUNTRY: United States  
DOCUMENT TYPE: Journal; Conference Article  
FILE SEGMENT: 005 General Pathology and Pathological Anatomy  
026 Immunology, Serology and Transplantation  
028 Urology and Nephrology  
LANGUAGE: English  
SUMMARY LANGUAGE: English

AB Detailed histomorphometric analysis of **human** biopsy tissue over  
the last 30 years has convincingly demonstrated that preservation of the  
tubulointerstitial compartment of the kidney is the major determinant of  
renal outcome in a variety of **human** renal diseases.  
Nevertheless, the pathophysiology of tubulointerstitial disease remains  
obscure. In particular, the primary role of tubular injury has not. . .  
is now accumulating evidence that apart from their many transport  
functions, tubular cells also secrete an array of cytokines, including  
**chemotactic cytokines, polypeptide** growth  
factors, and vasoactive peptides. Three paracrine growth systems acting at  
different levels in the kidney are described as examples. . . precede  
tubular injury, it is tubular injury that sets into motion the  
irreversible process of tubulointerstitial fibrosis characteristic of  
progressive **human** renal disease, leading to secondary loss of  
glomerular function.

L9 ANSWER 8 OF 8 MEDLINE on STN DUPLICATE 2  
ACCESSION NUMBER: 92001945 MEDLINE  
DOCUMENT NUMBER: 92001945 PubMed ID: 1911703  
TITLE: Expression of monocyte chemotactic protein and  
interleukin-8 by cytokine-activated human vascular smooth  
muscle cells.  
AUTHOR: Wang J M; Sica A; Peri G; Walter S; Padura I M; Libby P;  
Ceska M; Lindley I; Colotta F; Mantovani A  
CORPORATE SOURCE: Istituto di Ricerche Farmacologiche Mario Negri, Milan,  
Italy.  
SOURCE: ARTERIOSCLEROSIS AND THROMBOSIS, (1991 Sep-Oct) 11 (5)  
1166-74.  
Journal code: 9101388. ISSN: 1049-8834.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199110  
ENTRY DATE: Entered STN: 19920124  
Last Updated on STN: 19920124  
Entered Medline: 19911025

AB The present study was designed to investigate the capacity of  
**human** vascular smooth muscle cells (SMCs) to produce a  
**cytokine chemotactic** for monocytes (monocyte chemotactic  
protein [MCP]) and by way of comparison, a related **polypeptide**  
activator of neutrophils (known as interleukin-8 [IL-8] or neutrophil  
activating protein-1 [NAP-1]). On exposure to IL-1, SMCs released high

levels. . . .